

**CITY OF DANVILLE  
PROJECT DESCRIPTION  
FY 2015 FIVE-YEAR CIP**

**Project Title:** Holland Road Water Main Extension

**Department:** Utilities  
165

**Division:** Water & Gas  
403

**Section:** Distribution (Water, Gas, and Electric) 2  
Fund:52

**Description:**

Extension of water mains to the unserved area. This project is to provide water service to the largest remaining area of the City still unserved by water which includes Elizabeth St. Holland Rd. and Indian Valley Rd.

**Justification:**

This will provide potable water as well as water for fire protection. It will also serve to strengthen the water system in the southwest area of the system. We have received several requests for water in this area.

Study: Holland Road Study

**Comments:**

N/A

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**Project Title:** Holland Road Water Main Extension

**Department:** Utilities  
165

**Division:** Water & Gas  
403

**Section:** Distribution (Water, Gas, and Electric) 2  
Fund:52

**Project Cost/Funding Sources:**

	<u>Prior Years</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total</u>
Bonds	-	-	\$120,000	\$4,240,000	\$5,230,000	-	\$9,590,000
<b>Project Totals:</b>	-	-	<b>\$120,000</b>	<b>\$4,240,000</b>	<b>\$5,230,000</b>	-	<b>\$9,590,000</b>

**Goals/Milestones:**

<b>FY 2016</b>	Produce engineering plans and specifications
<b>FY 2017</b>	Begin construction
<b>FY 2018</b>	Complete Construction

**CITY OF DANVILLE  
PROJECT DESCRIPTION  
FY 2015 FIVE-YEAR CIP**

**Project Title:** Water Line Reconstruction

**Department:** Utilities  
165

**Division:** Water & Gas  
403

**Section:** Distribution (Water, Gas, and Electric) 2  
Fund:52

**Description:**

Replacement of water mains and service lines in areas where pipelines have deteriorated. Many water mains and service lines within the system are old and deteriorating and have outlived their expected lifespan. This is a multi-year project to replace many water mains throughout the City that have outlived their life expectancy, resulting in a high number of emergency repairs

**Justification:**

While the amount requested will not replace all of the pipelines needed, it will provide funding to allow replacement of pipelines causing continuous problems. A completed pipeline will provide improved water quality and system reliability. Study: Water Distribution Hydraulic Study.

**Comments:**

N/A

**CITY OF DANVILLE  
PROJECT DESCRIPTION  
FY 2015 FIVE-YEAR CIP**

**Project Title:** Water Line Reconstruction

**Department:** Utilities  
165

**Division:** Water & Gas  
403

**Section:** Distribution (Water, Gas, and Electric) 2  
Fund:52

**Project Cost/Funding Sources:**

	<u>Prior Years</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total</u>
Utility Fund Revenues	-	\$500,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,500,000
<b>Project Totals:</b>	-	<b>\$500,000</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>	<b>\$1,000,000</b>	<b>\$4,500,000</b>

**Goals/Milestones:**

<b>FY 2015</b>	Construction of Water Lines
<b>FY 2016</b>	Construction of Water Lines
<b>FY 2017</b>	Construction of Water Lines
<b>FY 2018</b>	Construction of Water Lines
<b>FY 2019</b>	Construction of Water Lines

**CITY OF DANVILLE  
PROJECT DESCRIPTION  
FY 2015 FIVE-YEAR CIP**

<b>Project Title:</b>	Water Treatment Plant Improvements- Phase III	<b>Department:</b>	Utilities 165
		<b>Division:</b>	Water & Wastewater Treatment 409
		<b>Section:</b>	Water Treatment 12 Fund:52

**Description:**

Install additional vertical drive flocculators, replace worn out equipment, install additional monitoring equipment, install continuous solids removal equipment in the sedimentation basins and install several new valves.

Include trihalomethanes (THM) removal project as it is required to meet state and federal limits for these parameters. The City has been given a 2 year time extension to install the equipment in the 8 MG Ballou Park Reservoir (and other system tanks if needed)

**Justification:**

These improvements will enhance the treatment processes and reduce wasted water used to clean the solids out of the sedimentation basins and replace old valves that are difficult to operate.

The THM removal project is required to meet state and federal limits. The preliminary engineering report was completed in October 2013. Design will start as soon as possible with the money already set aside for this purpose. Construction will be broken into 2 parts to utilize funds set aside in FY14 and proposed in FY15.

**Comments:**

Phase III Improvements priority would be "Beneficial/Important".

THM would be priority "Critical".

**CITY OF DANVILLE  
PROJECT DESCRIPTION  
FY 2015 FIVE-YEAR CIP**

**Project Title:** Water Treatment Plant Improvements- Phase  
III

**Department:** Utilities  
165

**Division:** Water & Wastewater Treatment  
409

**Section:** Water Treatment 12 Fund:52

**Project Cost/Funding Sources:**

	<u>Prior Years</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total</u>
Utility Fund Revenues	\$325,000	\$635,000	\$300,000	\$400,000	\$400,000	\$300,000	\$2,360,000
<b>Project Totals:</b>	<b>\$325,000</b>	<b>\$635,000</b>	<b>\$300,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$300,000</b>	<b>\$2,360,000</b>

**Goals/Milestones:**

<b>FY 2015</b>	THM Reduction Project - Design, bid, award, construction and construction assistance for mixing and aeration equipment to be installed in 8 MG Ballou Park reservoir.
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